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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/594,056	06/20/2007	Masahiro Katsumura	PC 3224.01 US	8789	
52737 DVA/PEC-IPD	7590 09/24/2008		EXAMINER		
2265 E. 220TH		HUBER, PAUL W			
LONG BEACH	I, CA 90810		ART UNIT	PAPER NUMBER	
			2627		
			MAIL DATE	DELIVERY MODE	
			09/24/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No	•	Applicant(s)					
Office Action Summary			10/594,056		KATSUMURA, MASAHIRO				
			Examiner		Art Unit				
			Paul Huber		2627				
Period fo	The MAILING DATE of this commur or Reply	nication appe	ars on the cove	r sheet with the c	orrespondence ad	ddress			
WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE IN Isions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this com- period for reply is specified above, the maximum is the to reply within the set or extended period for reply teply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DA- s of 37 CFR 1.136 munication. tatutory period will will, by statute, c	TE OF THIS CO i(a). In no event, how I apply and will expire cause the application	OMMUNICATION vever, may a reply be time. SIX (6) MONTHS from to become ABANDONE	I. lely filed the mailing date of this of (35 U.S.C. § 133).				
Status									
1) 又	Responsive to communication(s) file	ed on <i>18 Jul</i> y	v 2007						
•	• • • • • • • • • • • • • • • • • • • •		action is non-fir	al.					
3)		/—			secution as to the	e merits is			
٠,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
· · ·	4)⊠ Claim(s) <u>1-10</u> is/are pending in the application.								
•	4a) Of the above claim(s) is/are withdrawn from consideration.								
	4a) Of the above claim(s) is/are withdrawn from consideration. ☐ Claim(s) is/are allowed.								
'=	5)∐ Claim(s) is/are allowed. 6)⊠ Claim(s) <u>1-5 and 7-10</u> is/are rejected.								
· · · · · ·	Claim(s) $\underline{6}$ is/are objected to.	ч.							
	Claim(s) are subject to restrict	ction and/or e	election require	ement					
		otion and, or v	oloollon roquire	inone.					
	on Papers								
-	The specification is objected to by th								
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.									
	Applicant may not request that any object			-	•				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (I nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	4) 5) 6)	Interview Summary Paper No(s)/Mail Da Notice of Informal P Other:	te				

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The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 and 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyata et al. (JP 2000207738).

Miyata discloses an electron beam recording apparatus and method comprising: a rotating drive unit and shift drive unit (elements 80 & 88) as claimed; an electron beam irradiation unit 82 as claimed; and a control means for forming a latent image corresponding to a predetermined pattern, in a resist layer by controlling the irradiation position caused by the electron irradiation unit on the surface of the resist layer in accordance with the rotation angle of the disk substrate caused by the rotational drive unit, the shift position caused by the shift drive unit and recording data that represents the predetermined pattern (see abstract and figures 2-4). The electron beam irradiation unit includes beam-adjusting means 85 for adjusting the irradiation of the electron beam in such a manner as to spread over a plurality of tracks in the direction of traversing the tracks on the surface of the resist layer in response to the irradiation position control by the control means.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyata et al., as applied above, in further view of Hisayuki et al. (JP 11-288532).

Miyata et al. discloses the invention as claimed, but fails to specifically teach the beam adjusting means including the deflecting means as specifically claimed. Hisayuki et al. discloses the beam adjusting means including

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the deflecting means as specifically claimed in the same field of endeavor for the purpose of accurately controlling the

direction of an emitted electron beam.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to

modify Miyata et al. such that the adjusting means includes the claimed deflecting means as specifically claimed and

as taught by Hisayuki et al.. A practitioner in the art would have been motivated to do this for the purpose of

accurately controlling the direction of an emitted electron beam.

Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Paul Huber at telephone number 571-272-

7588.

/Paul Huber/

Primary Examiner, Art Unit 2627

pwh

September 19, 2008